

FEB 8 4 2004

TRADEMARK OFFICE
U.S.P.T.O.

PATENT
10830.0101.NPUS00

DECLARATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or the below named inventors are the original, first and joint inventors (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **ORGANIZATION OF READ-WRITE SNAPSHOT COPIES IN A DATA STORAGE SYSTEM**, the Specification of which:



is attached hereto.

was filed on Sept. 23, 2003 as Application Serial No. 10/668,783 .

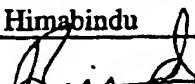
I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

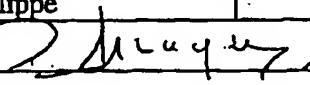
I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability of the subject matter claimed in this application, as "materiality" is defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby direct that all correspondence and telephone calls be addressed to Richard C. Auchterlonie, Howrey Simon Arnold & White, LLP, 750 Bering Drive, Houston, Texas 77057-2198, (713) 787-1400.

I HEREBY DECLARE THAT ALL STATEMENTS MADE OF MY OWN KNOWLEDGE ARE TRUE AND THAT ALL STATEMENTS MADE ON INFORMATION AND BELIEF ARE BELIEVED TO BE TRUE; AND FURTHER THAT THESE STATEMENTS WERE MADE WITH THE KNOWLEDGE THAT WILLFUL FALSE STATEMENTS AND THE LIKE SO MADE ARE PUNISHABLE BY FINE OR IMPRISONMENT, OR BOTH, UNDER SECTION 1001 OF TITLE 18 OF THE UNITED STATES CODE AND THAT SUCH WILLFUL FALSE STATEMENTS MAY JEOPARDIZE THE VALIDITY OF THE APPLICATION OR ANY PATENT ISSUED THEREON.

DECLARATION - ORGANIZATION OF READ-WRITE SNAPSHOT COPIES IN A DATA STORAGE
SYSTEM

Inventor's Full Name:	Himabindu	Tummala
Inventor's Signature:		
Country of Citizenship:	India	Date: Feb/04/2004
Residence Address: (street, number, city, state, and/or country)	19 Pratt St. South Grafton, MA 01560	
Post Office Address: (if different from above)		

Inventor's Full Name:	Philippe	Armangau
Inventor's Signature:		
Country of Citizenship:	France	Date: Feb /04/ 2004
Residence Address: (street, number, city, state, and/or country)	51 Seminole Road Acton, MA 01720	
Post Office Address: (if different from above)		



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is attached hereto.
 was filed on _____ as Application Serial No. _____

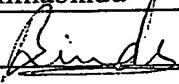
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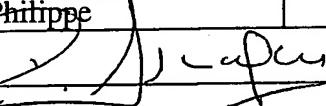
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DECLARATION - ORGANIZATION OF READ-WRITE SNAPSHOT COPIES IN A DATA STORAGE
SYSTEM

Inventor's Full Name:	Himabindu	Tummala
Inventor's Signature:		
Country of Citizenship:	India	Date: 15/Sep/2003
Residence Address: (street, number, city, state, and/or country)	19 Pratt St. South Grafton, MA 01560	
Post Office Address: (if different from above)		

Inventor's Full Name:	Philippe	Armangau
Inventor's Signature:		
Country of Citizenship:	France	Date: 9/15/2003
Residence Address: (street, number, city, state, and/or country)	51 Seminole Road Acton, MA 01720	
Post Office Address: (if different from above)		

RECORDATION FORM COVER SHEET

PATENTS ONLY

FEB 04 2004

To the Honorable Commissioner for Patents: Please record the attached original document(s) or copy(ies) thereof.

NAME of Conveying Party(ies):

Himabindu Tummala; Philippe Armangau

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and Address of Party(ies) receiving an interest (assignee(s)):

Name: EMC CORPORATION

Address: 176 South Street, Hopkinton, MA 01748

Country: USA

Additional name(s) and address(es) attached? Yes No

3. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date(s) of the new application is: 09/15/03

A. Patent Application No(s):

B. Patent No(s):

Others on additional sheet(s) attached? Yes No

4. Nature of Conveyance:

 Assignment Merger Change of Name Verified Translation Security Agreement Other: _____

Execution Date: September 15, 2003

5. Name and address of party to whom correspondence concerning document should be mailed:

Richard C. Auchterlonie
 Howrey Simon Arnold & White, LLP
 750 Bering Drive
 Houston, Texas 77057-2198
 713.787.1698 (Telephone)
 713.787.1440 (Facsimile)

6. Total number of applications and patents involved:

Application(s): 1

+ Patent(s):

= Total: 1

7. Total Fee (37 C.F.R. § 3.41) \$40.00

8. Authorized to be charged to Deposit Account Yes

9. Deposit Account No.: 05-0889/EMC-03-068

(Duplicate copy of this sheet attached)

 Charge any underpayment or credit any overpayment to above Deposit Account

DO NOT USE THIS SPACE

10. Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Richard C. Auchterlonie

September 23, 2003

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: 4 Pages